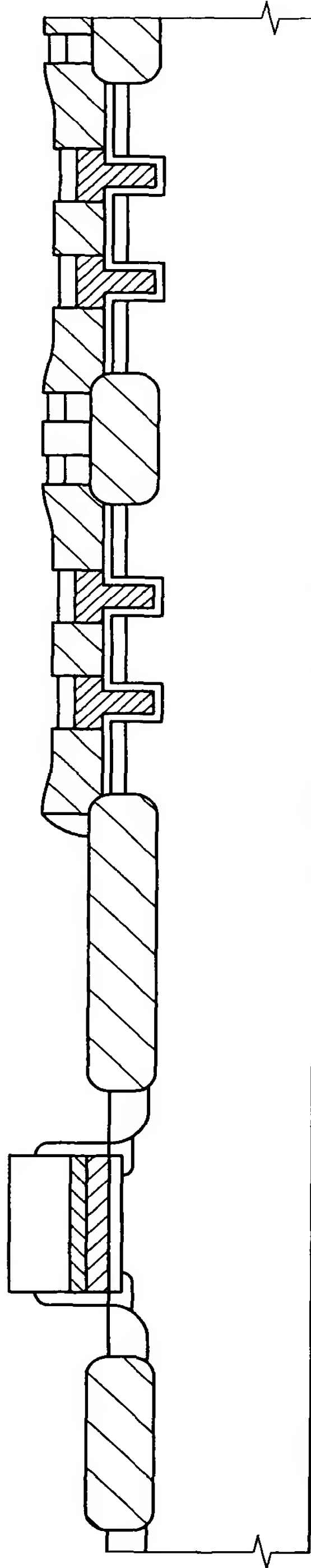


FIG. 1
(PRIOR ART)



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FIG. 2

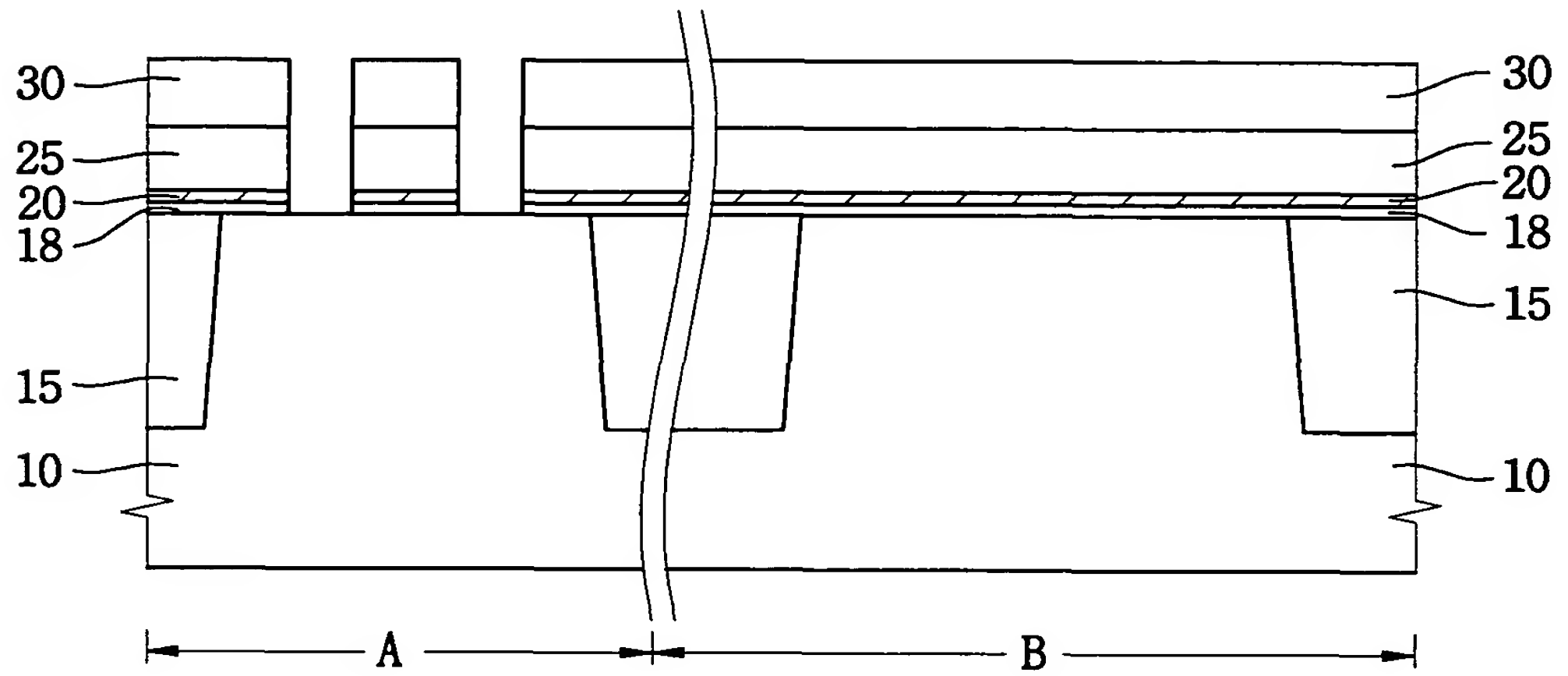


FIG. 3

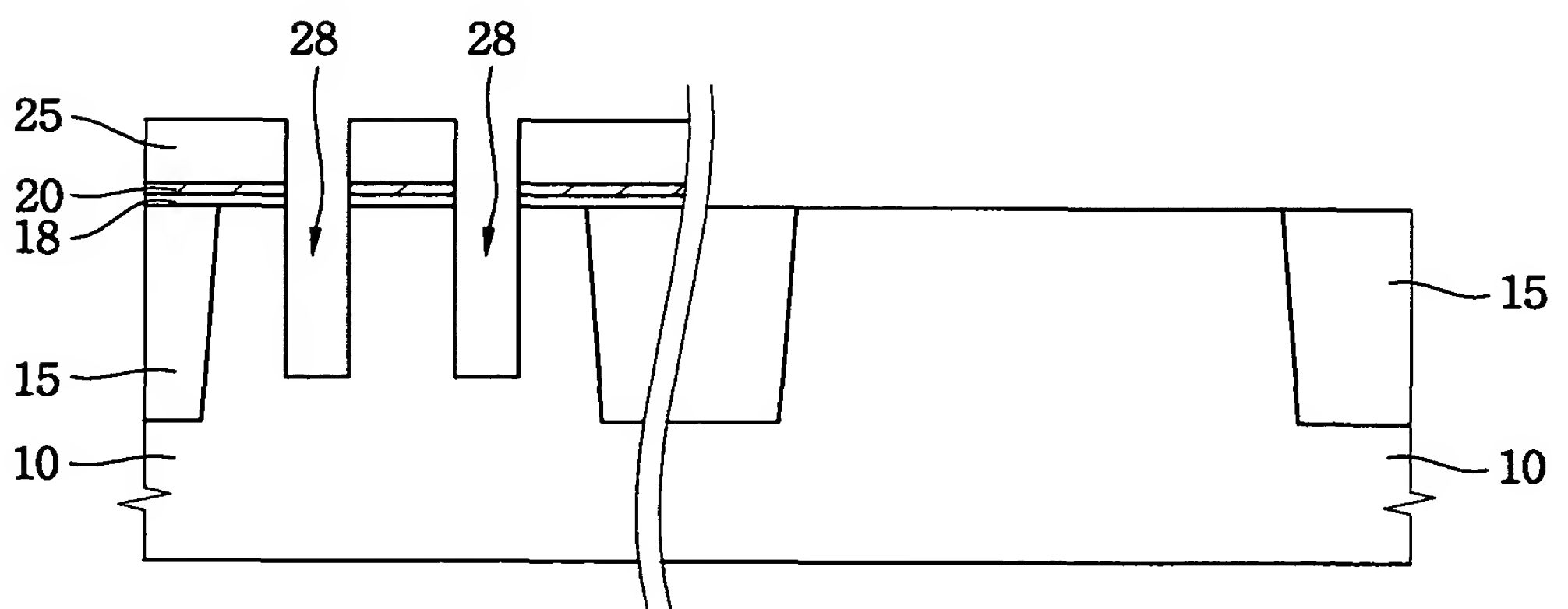


FIG. 4

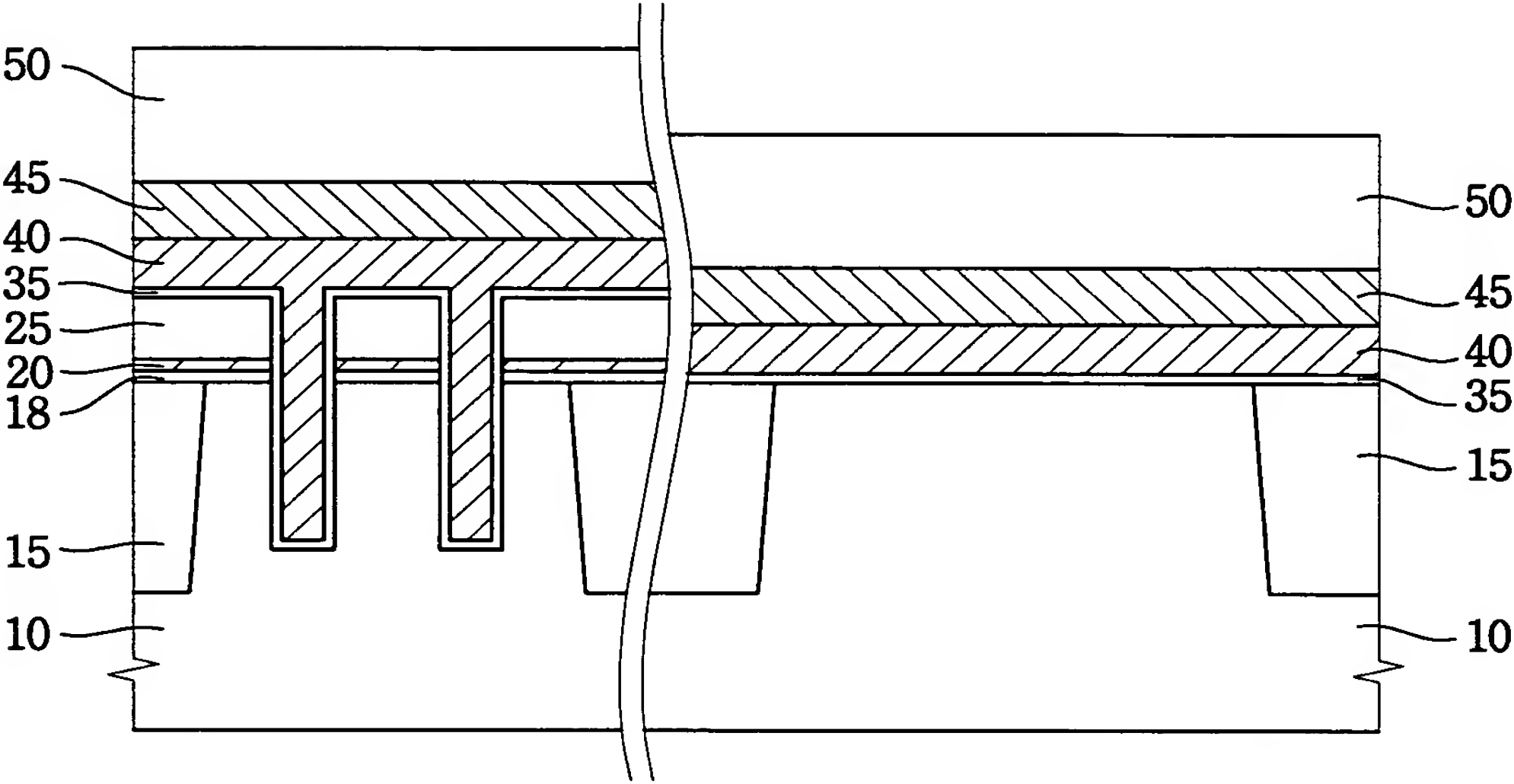


FIG. 5A

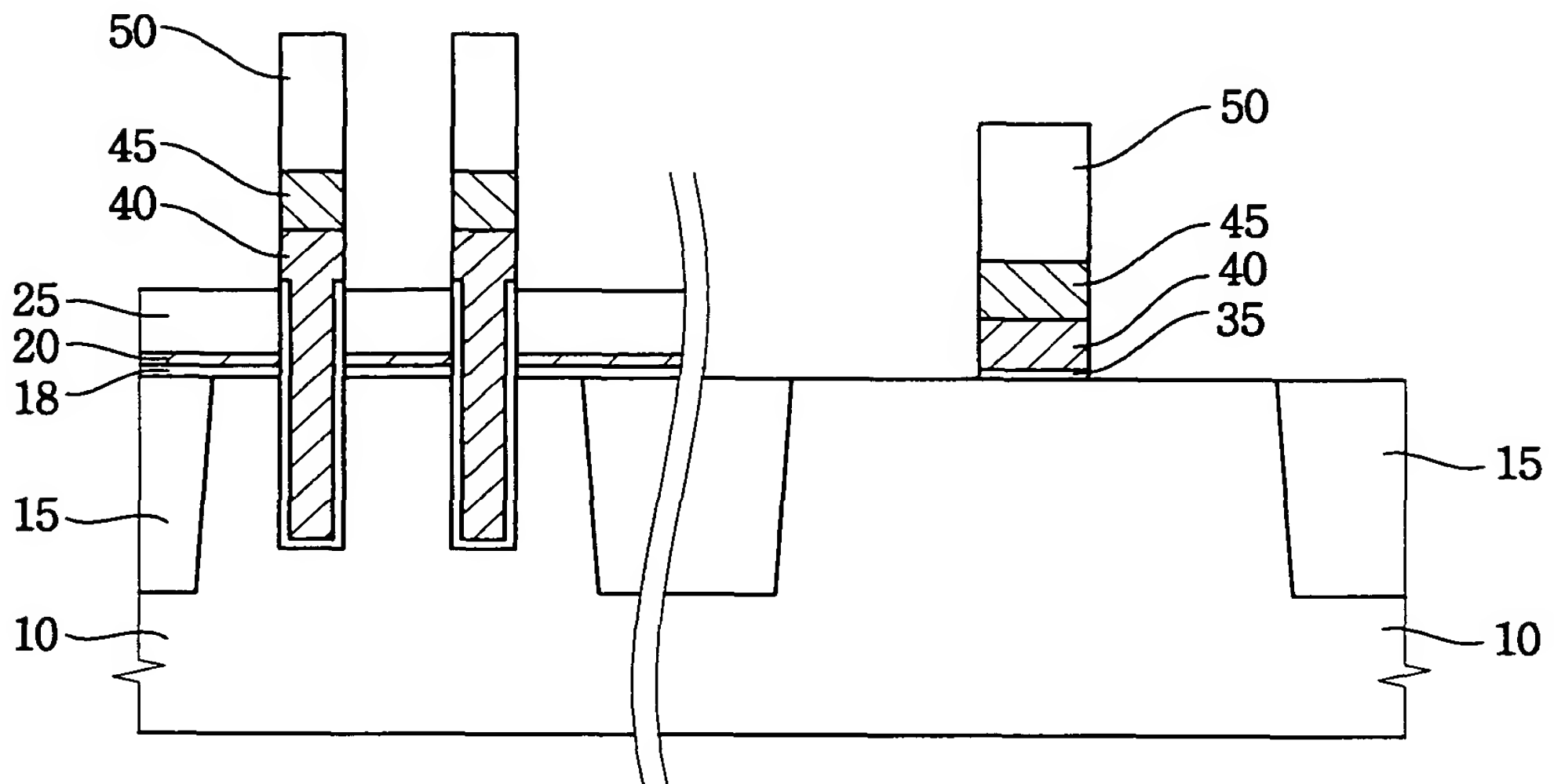


FIG. 5B

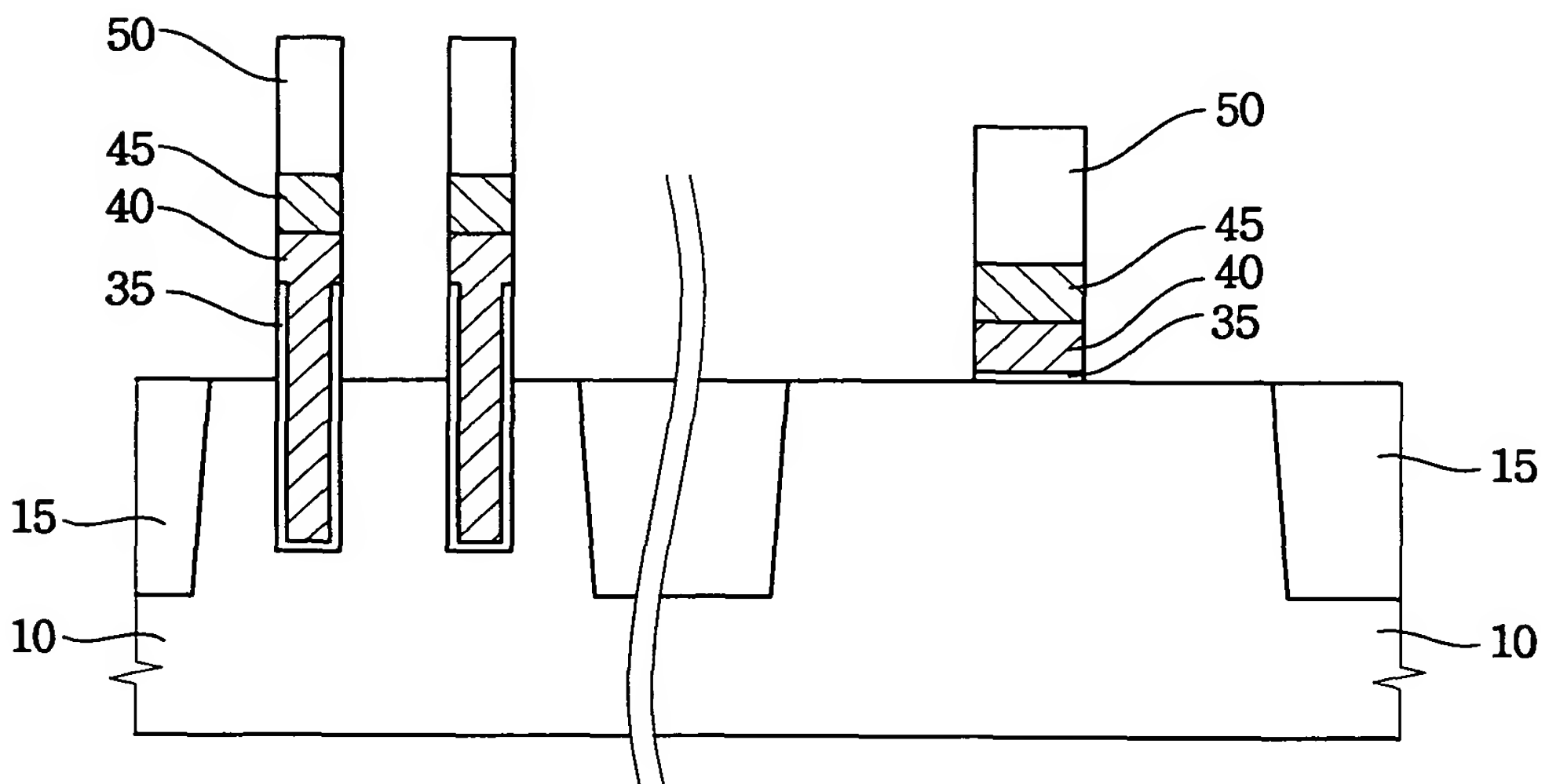


FIG. 6A

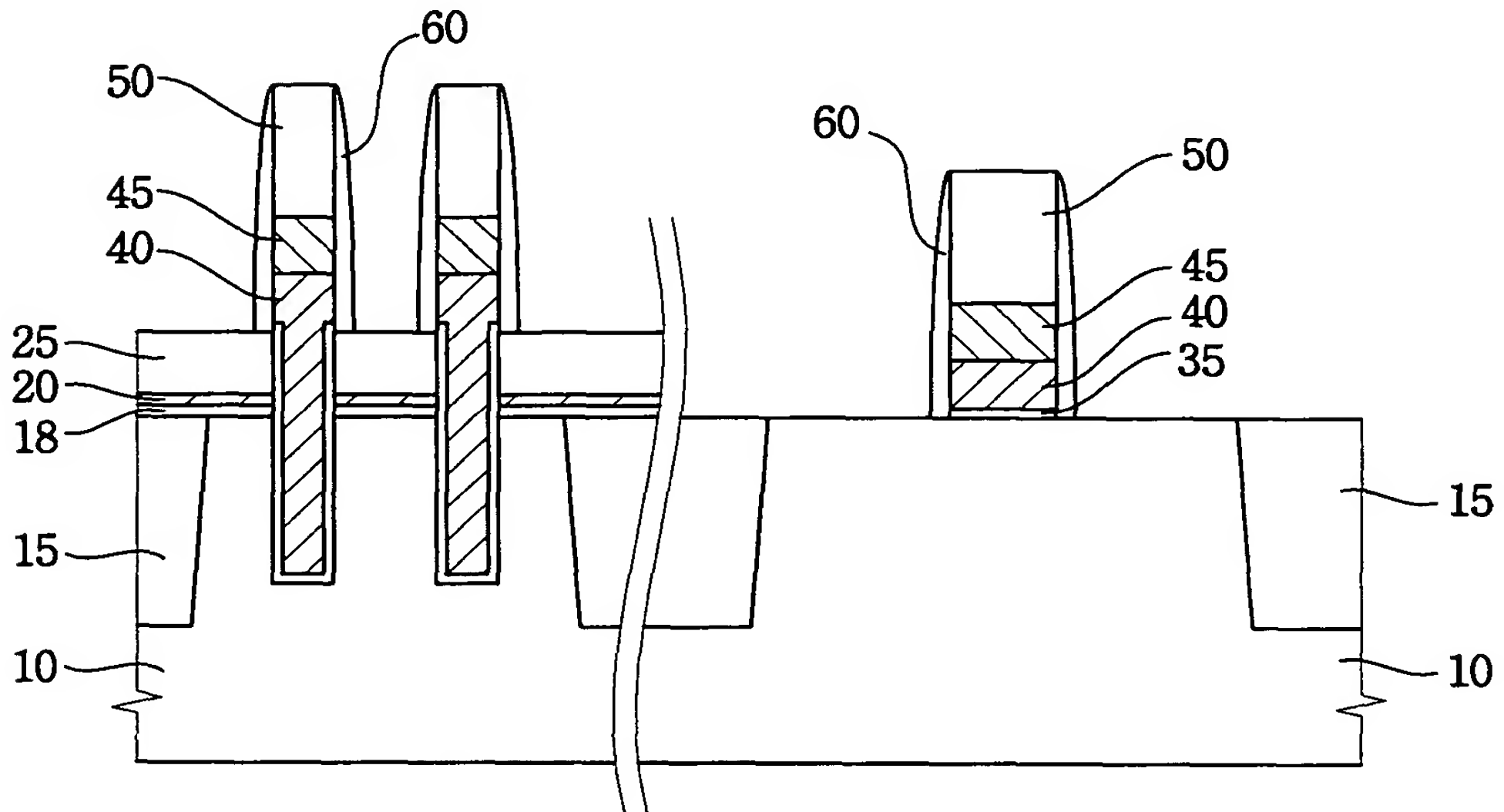
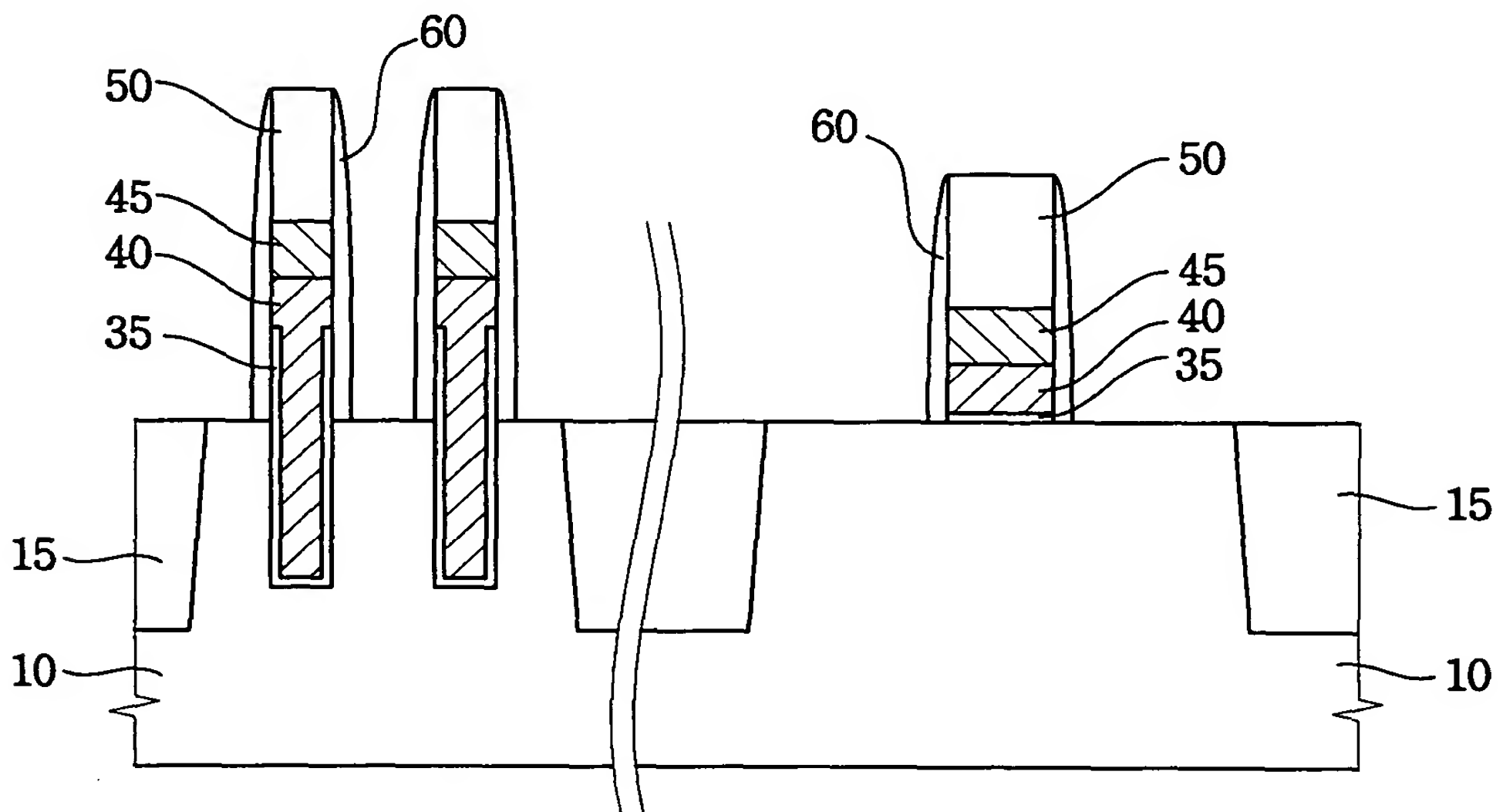


FIG. 6B



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FIG. 7A

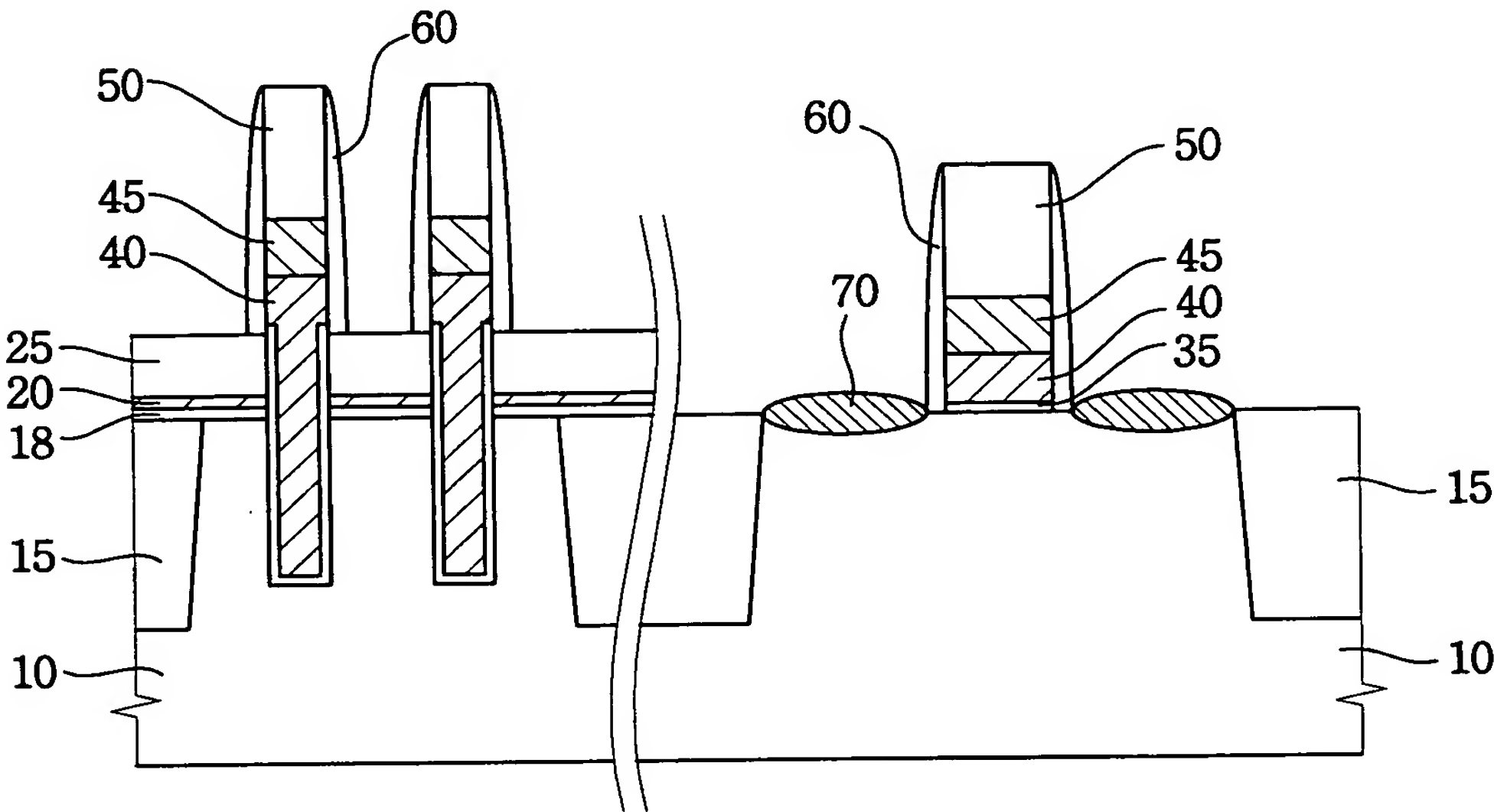
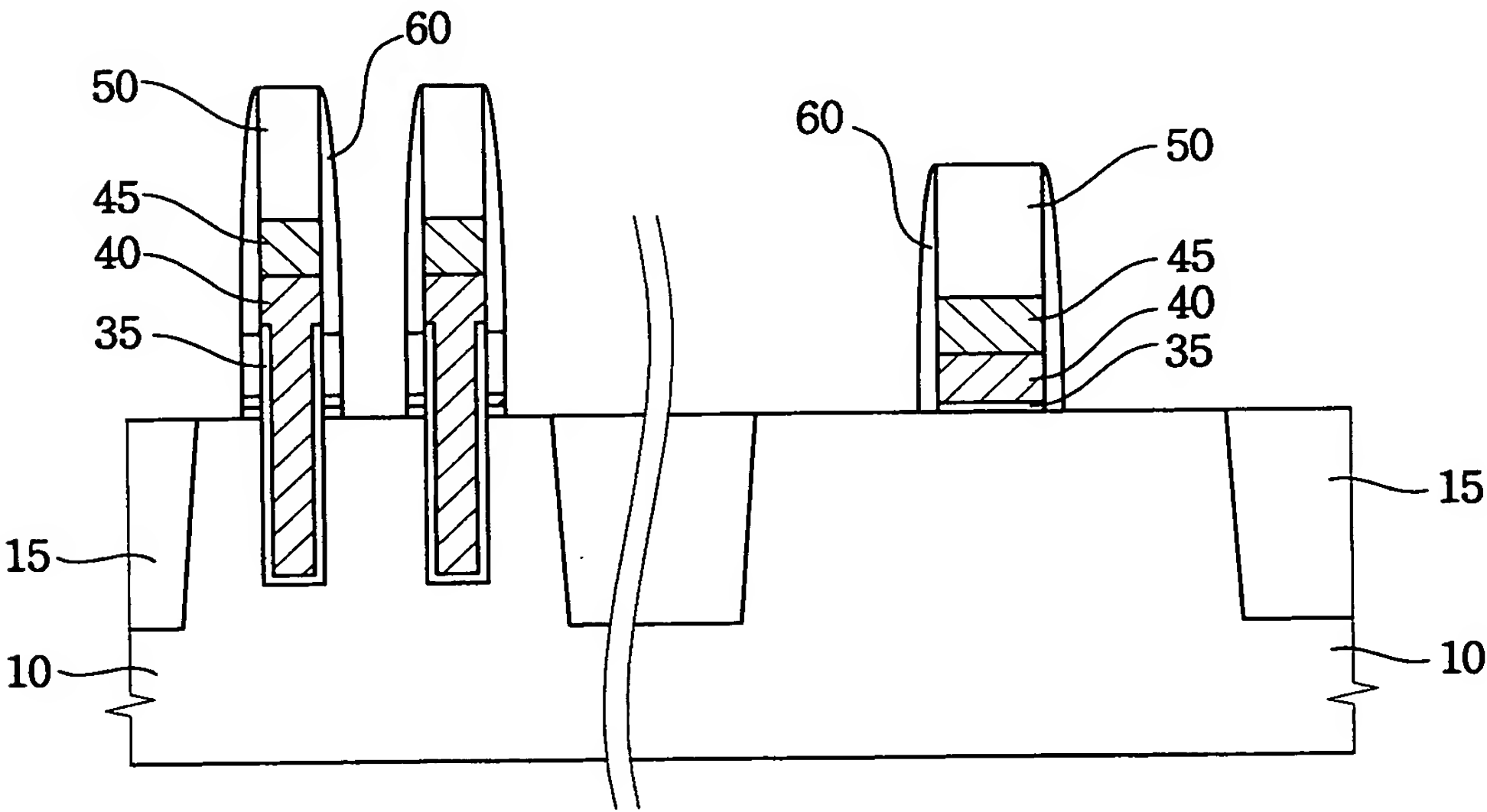


FIG. 7B



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FIG. 8

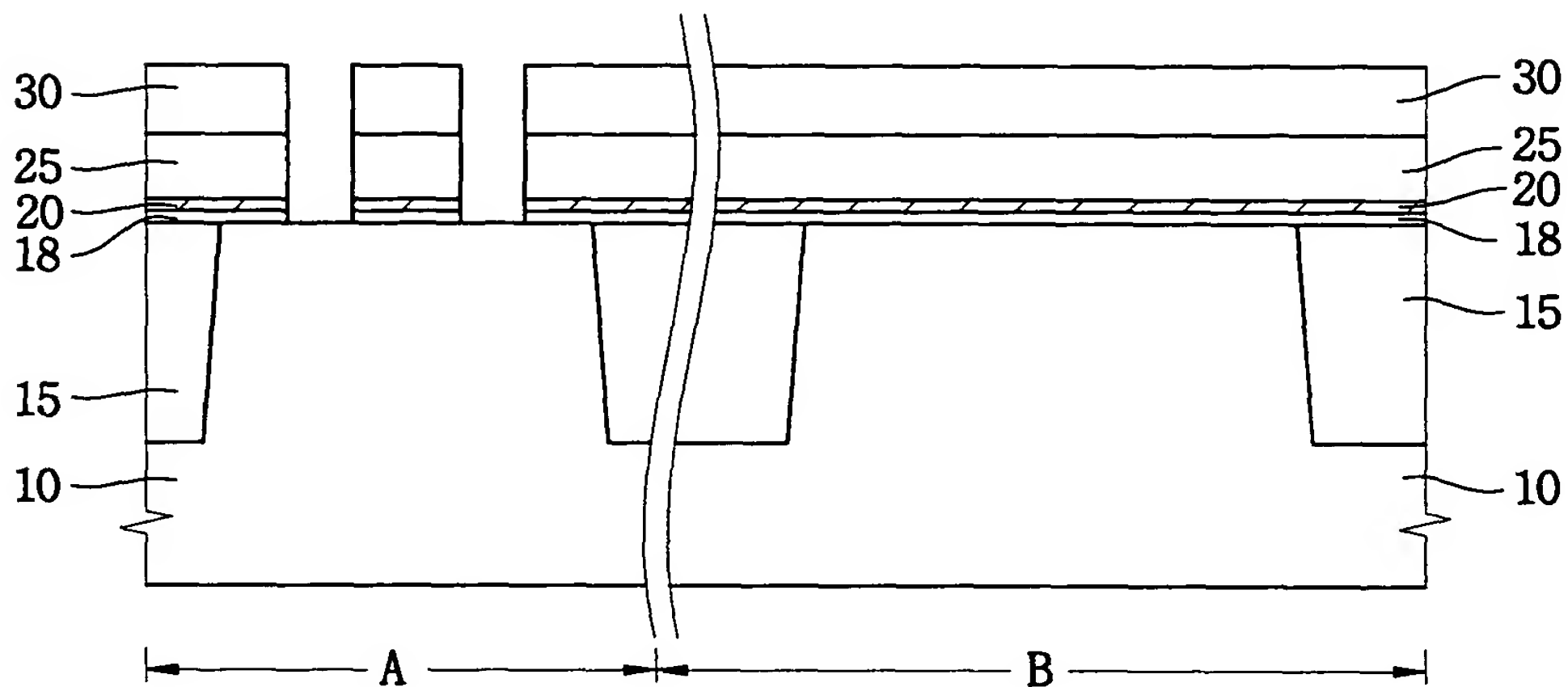
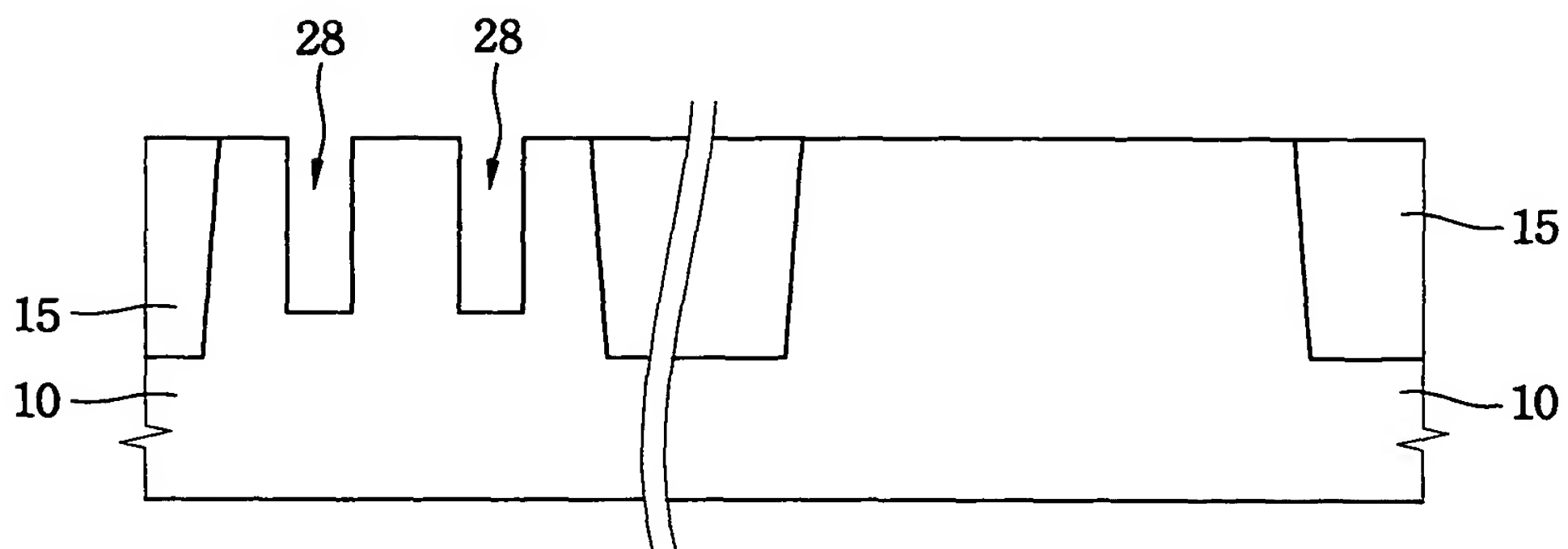


FIG. 9



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FIG. 10

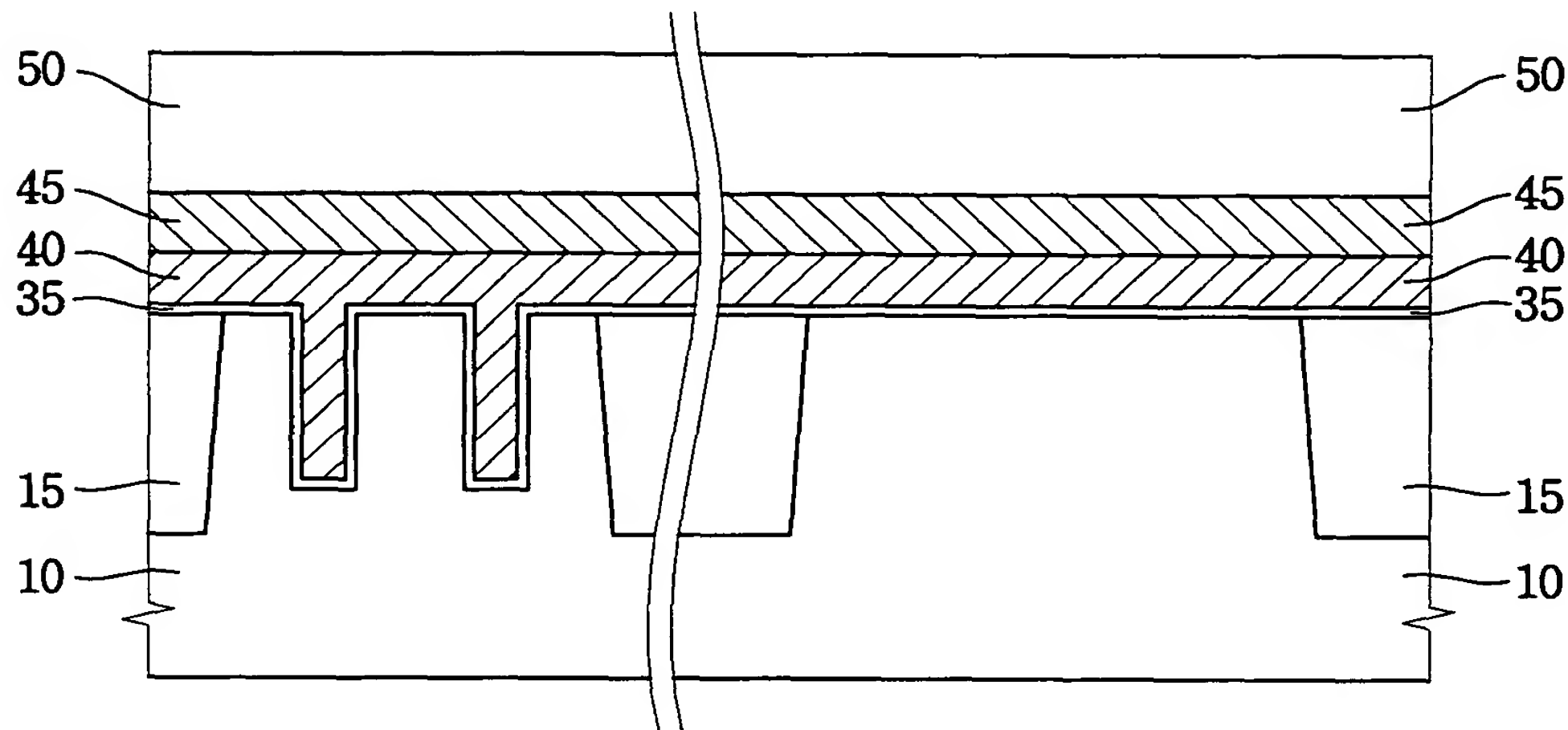
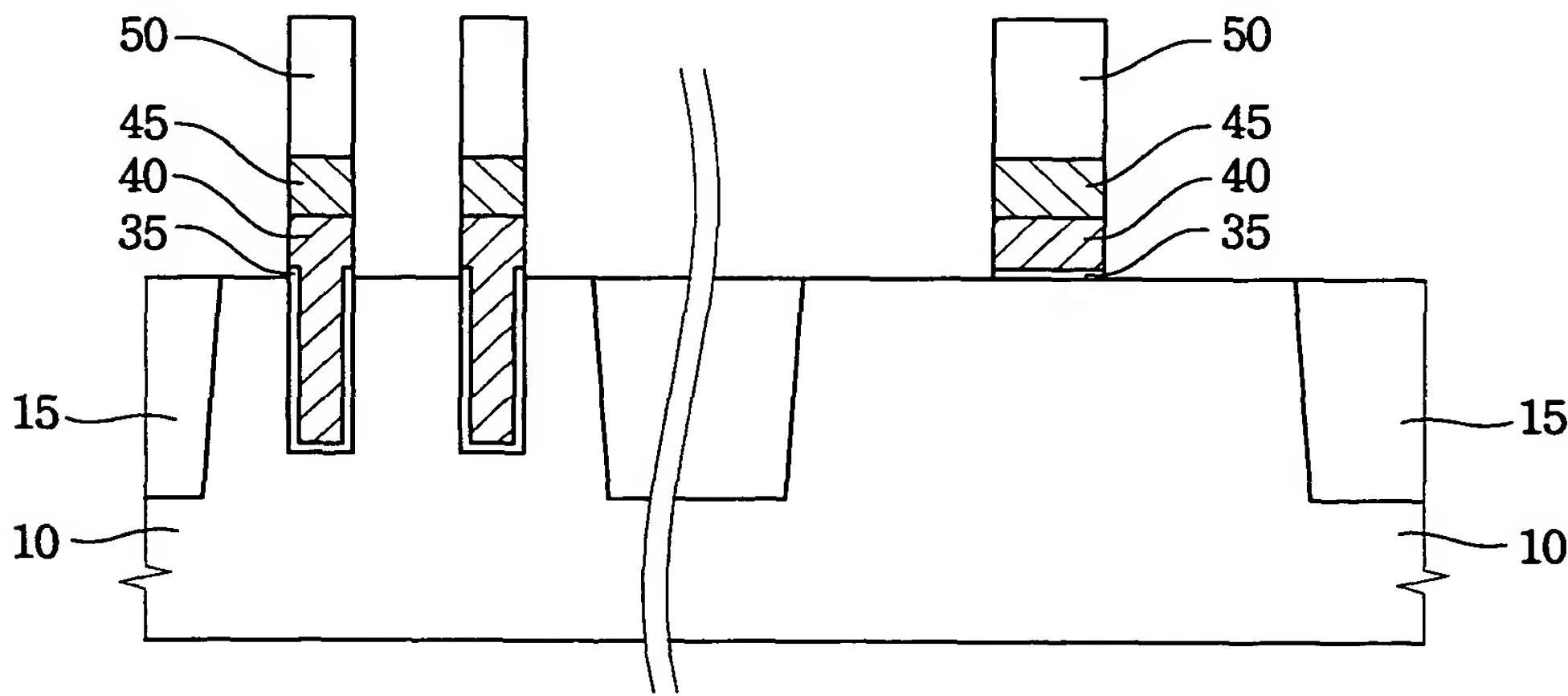


FIG. 11



This cross-sectional view shows a substrate 10 with a top layer 15. A central gap is formed in the top layer 15. On either side of this gap, there is a structure 60. Each structure 60 consists of a central core 35, surrounded by a layer 40, and an outer layer 45. The top of each structure 60 is capped by a layer 50. A wavy line is shown in the center of the gap, possibly representing a wire or a fluid channel.

FIG. 13

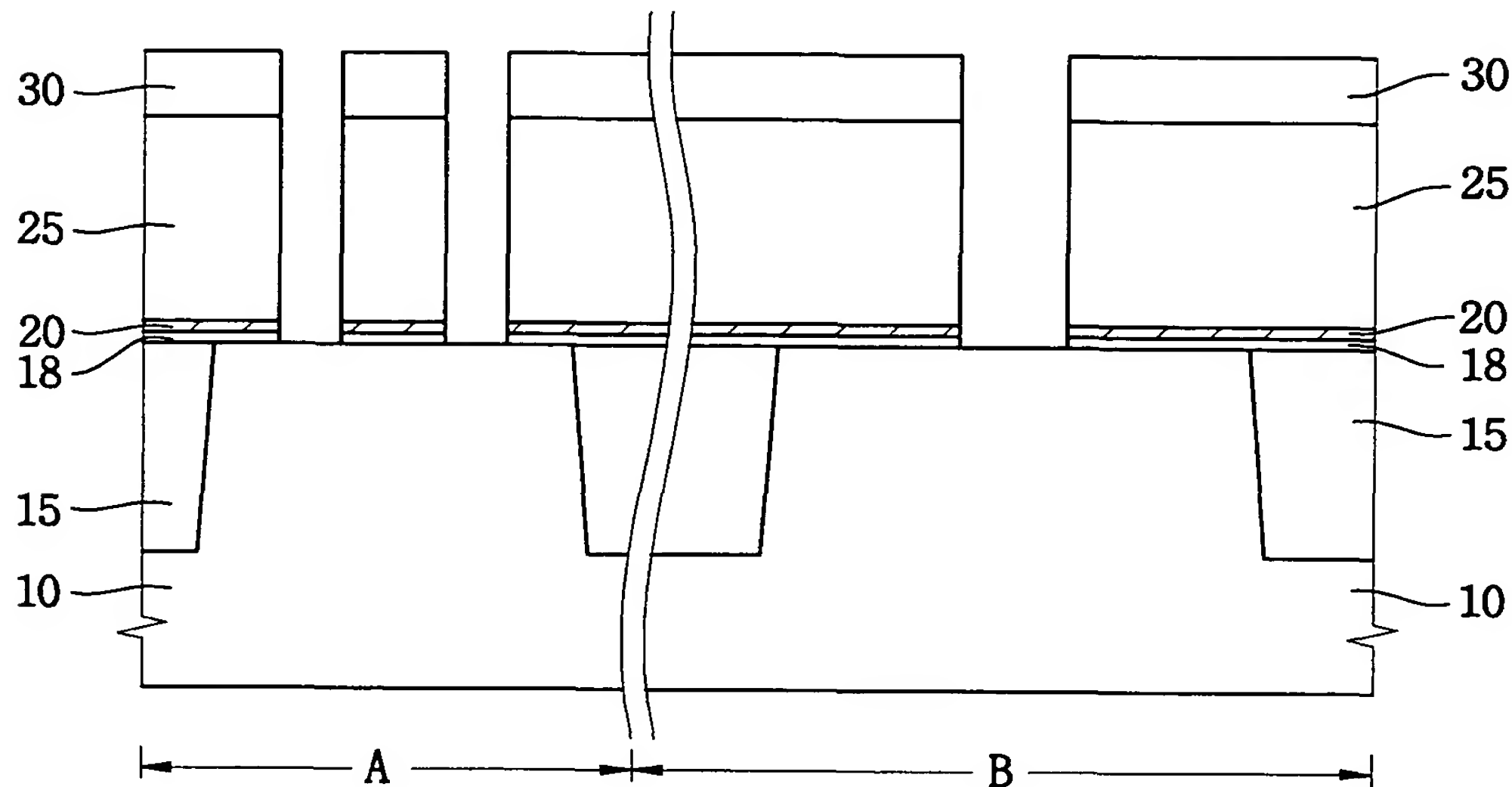


FIG. 14

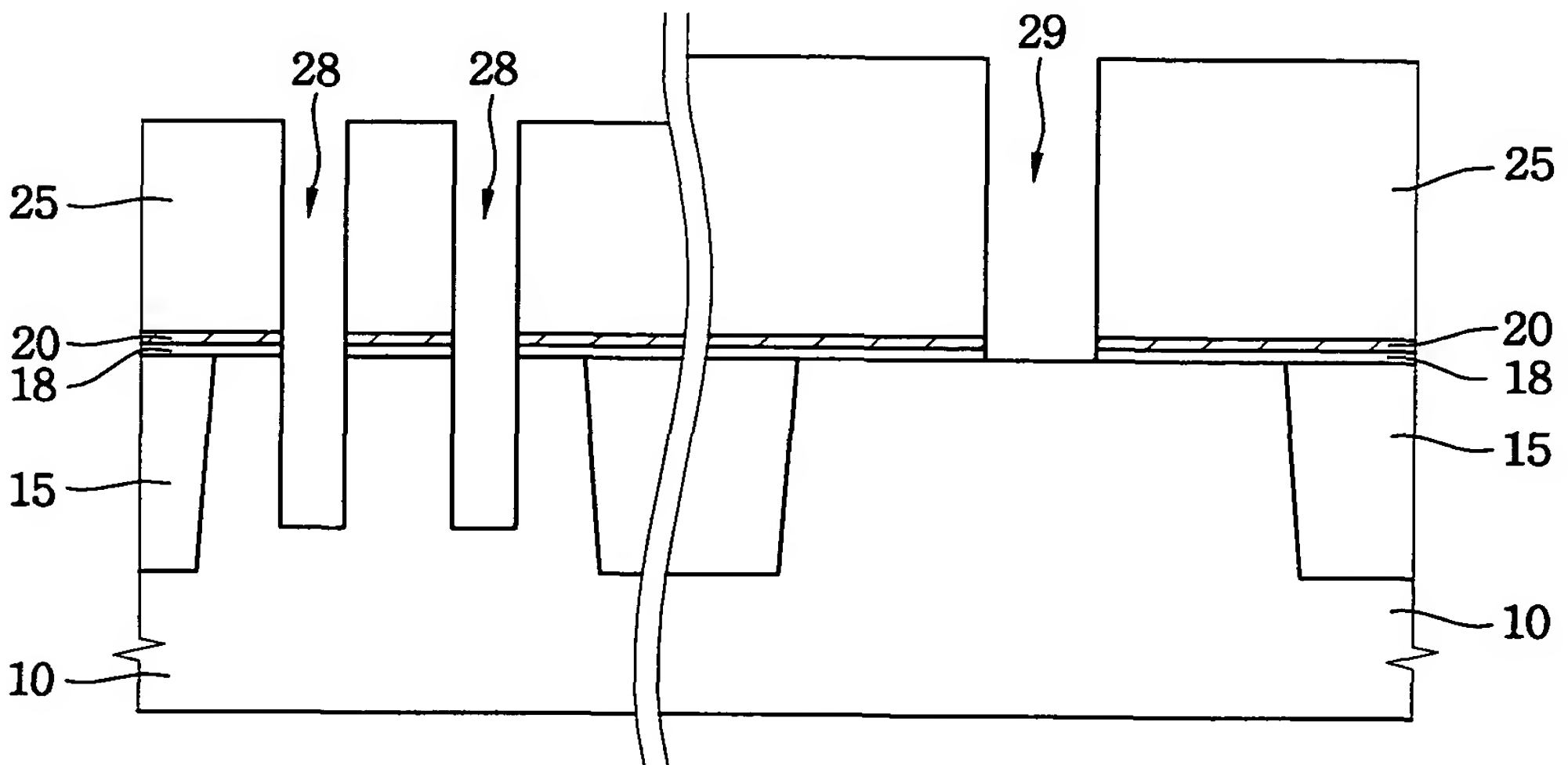


FIG. 17

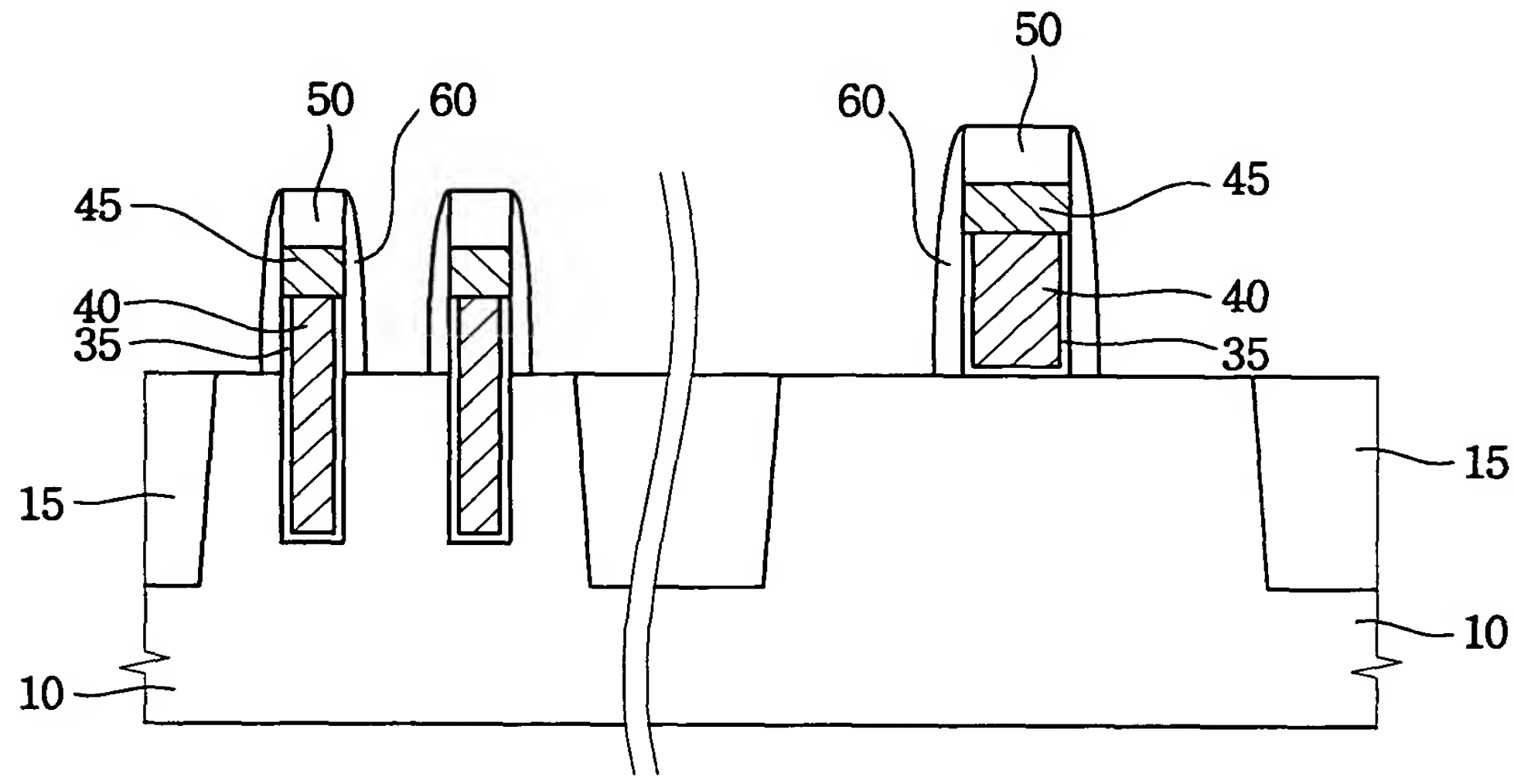


FIG. 18

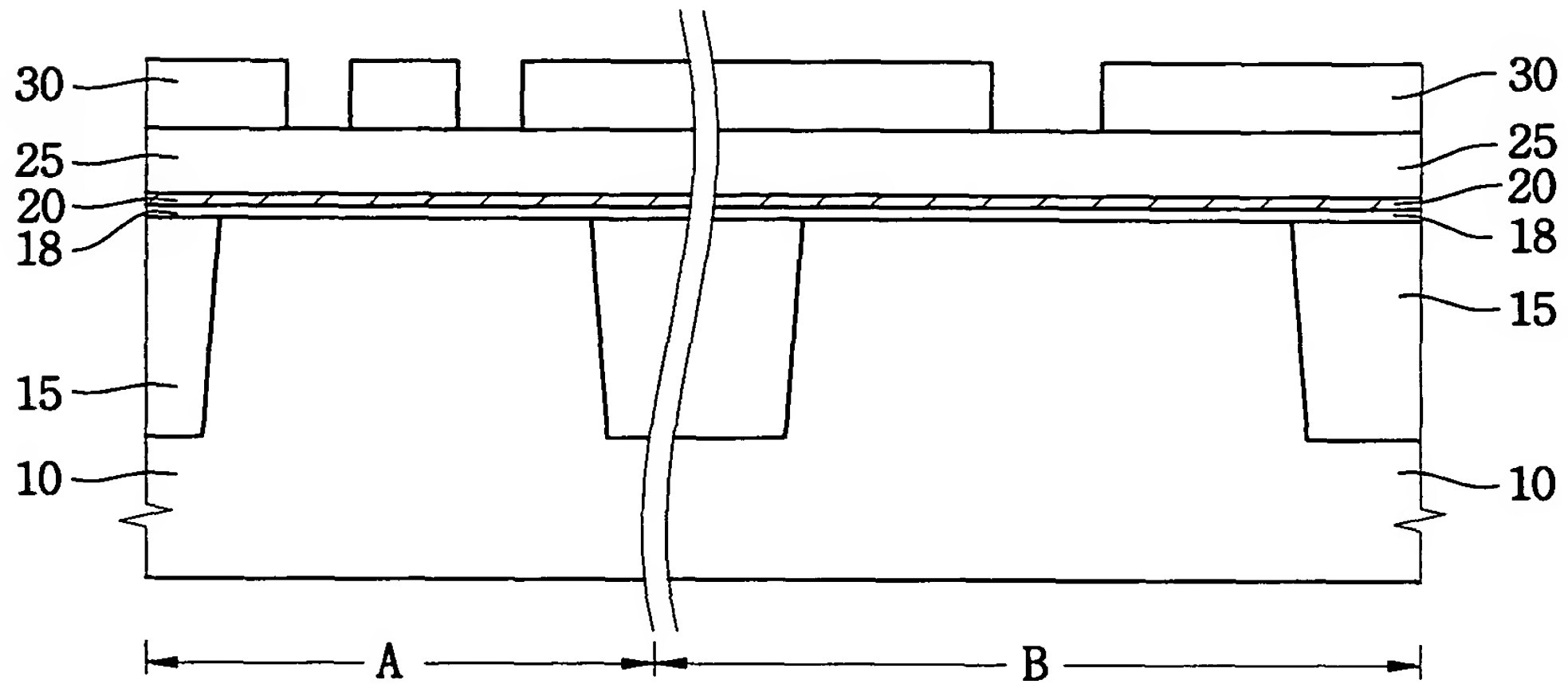
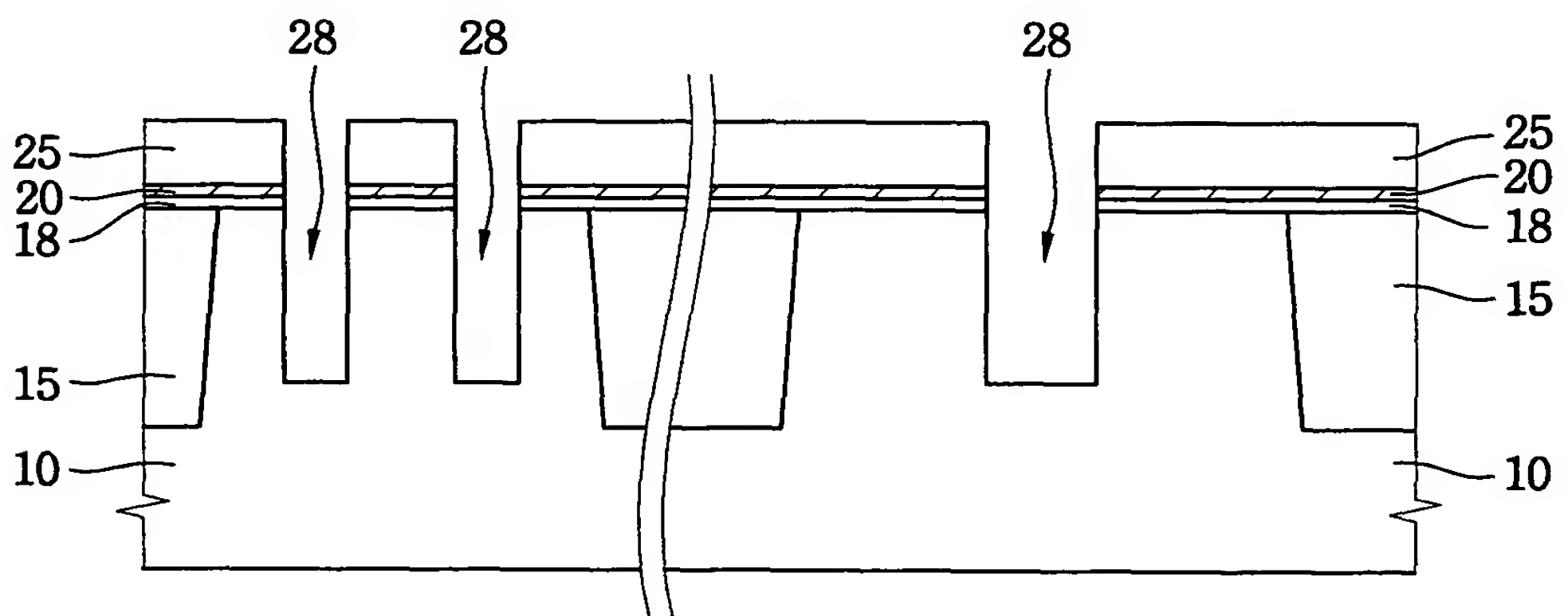


FIG. 19



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FIG. 20

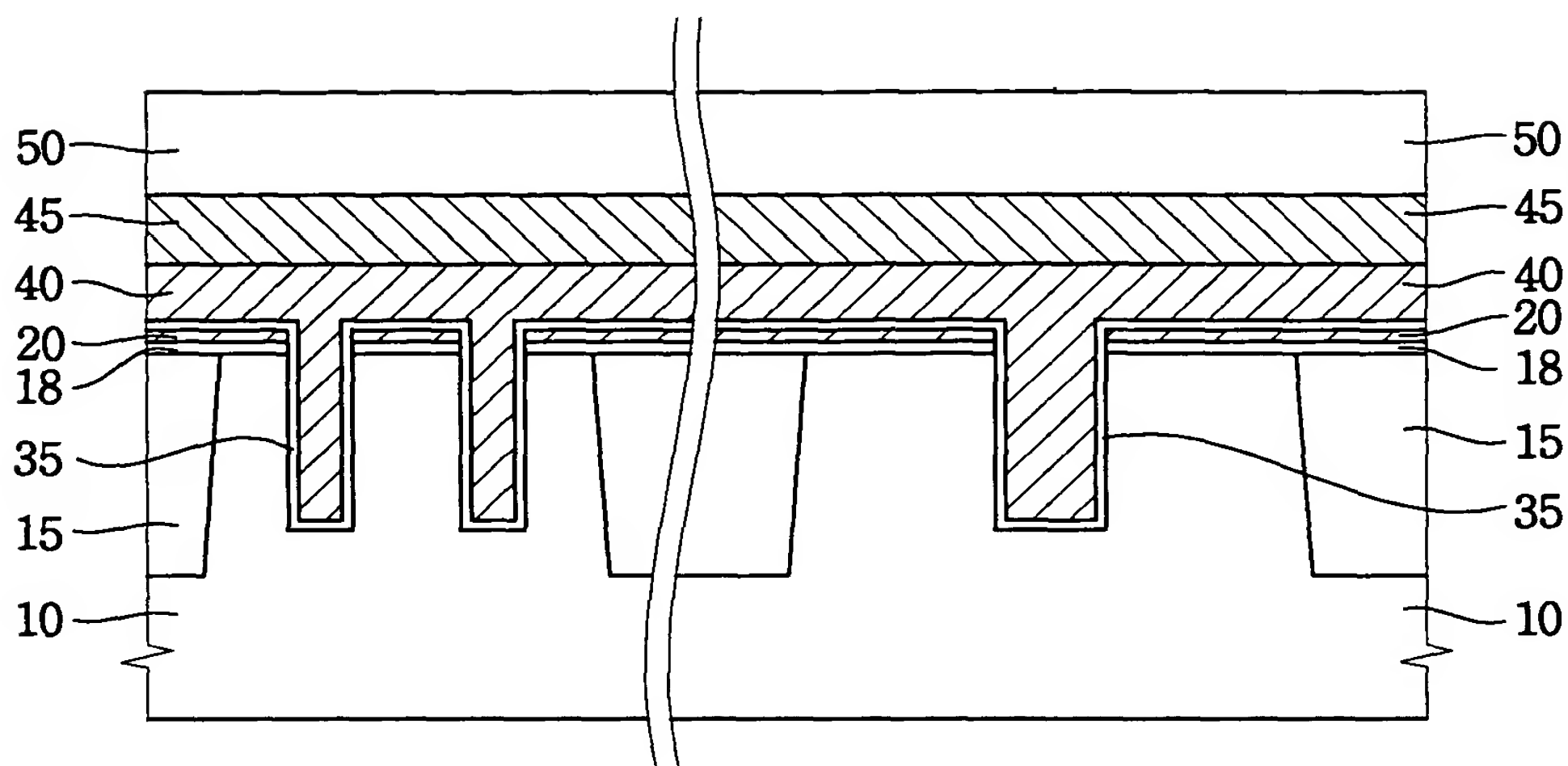


FIG. 21

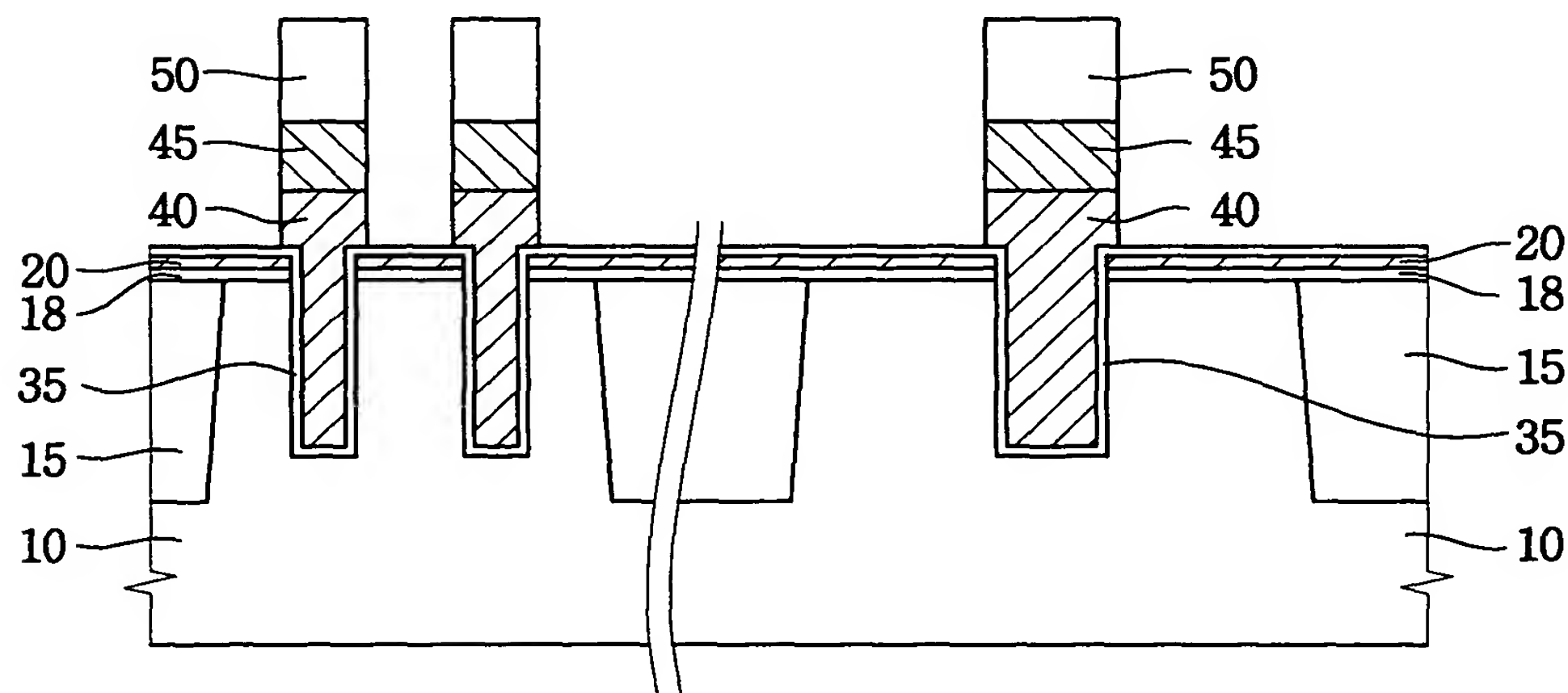


FIG. 22

